

Christophor Kozhuharov

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,914
citations

236925

25
h-index

161849

54
g-index

60
all docs

60
docs citations

60
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Angular Distribution of Characteristic Radiation Following the Excitation of He-Like Uranium in Relativistic Collisions. <i>Atoms</i> , 2021, 9, 20. First measurement of the $\langle \sigma_{\text{rel}} \rangle$	1.6	3
2	Combined linear polarization and angular distribution measurements of x-rays for precise determination of multipole-mixing in characteristic transitions of high- Z systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144031.	2.9	49
3	Ground-state excitation of heavy highly-charged ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144006.	1.5	7
5	Spectroscopy of berylliumlike xenon ions using dielectronic recombination. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144008.	1.5	20
6	Between atomic and nuclear physics: radioactive decays of highly-charged ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144024.	1.5	16
7	Storage-ring experiments on dielectronic recombination at the interface of atomic and nuclear physics. <i>Physica Scripta</i> , 2015, T166, 014022.	2.5	15
8	First observation of correlated photons emitted by heavy highly charged ions in the process of radiative recombination. <i>Journal of Physics: Conference Series</i> , 2014, 488, 082023.	0.4	0
9	Observation of Coherence in the Time-Reversed Relativistic Photoelectric Effect. <i>Physical Review Letters</i> , 2014, 113, 113001.	7.8	28
10	Laser cooling of stored relativistic ion beams with large momentum spreads using a laser system with a wide scanning range. <i>Journal of Physics: Conference Series</i> , 2014, 488, 122005.	0.4	5
11	Electron- and Proton-Impact Excitation of Hydrogenlike Uranium in Relativistic Collisions. <i>Physical Review Letters</i> , 2013, 110, 213201.	7.8	41
12	HITRAP a^{∞} Heavy, highly charged ions at Rest: Status and experimental Opportunities. <i>Journal of Physics: Conference Series</i> , 2012, 388, 142009.	0.4	3
13	New results on mass measurements of stored neutron-rich nuclides in the element range from Pt to U with the FRS-ESR facility at. <i>Nuclear Physics A</i> , 2012, 882, 71-89.	1.5	64
14	Polarization and anisotropic emission of K-shell radiation from heavy few electron ions $1 ¹$ This article is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. <i>Canadian Journal of Physics</i> , 2011, 89, 513-519.	1.1	3
15	At the borderline between atomic and nuclear physics: two-body \hat{I}^2 -decay of highly charged ions. <i>Physica Scripta</i> , 2011, T144, 014001.	2.5	10
16	Precision studies of fundamental atomic structure with heaviest few-electron ions. <i>Hyperfine Interactions</i> , 2011, 199, 59-69.	0.5	6
17	Tests of fundamental theories with heavy ions at low-energy regime. <i>Hyperfine Interactions</i> , 2011, 199, 71-83.	0.5	11
18	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. <i>Hyperfine Interactions</i> , 2010, 196, 115-127.	0.5	35

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19	Precise measurement of nuclear isomers in the storage ring at GSI. Nuclear Physics A, 2010, 834, 476c-478c.	1.5	22
20	Discovery of Highly Excited Long-Lived Isomers in Neutron-Rich Hafnium and Tantalum Isotopes through Direct Mass Measurements. Physical Review Letters, 2010, 105, 172501.	7.8	68
21	Direct Determination of the Magnetic Quadrupole Contribution to the Lyman- α Transition in a Hydrogenlike Ion. Physical Review Letters, 2010, 105, 243002.	7.8	79
22	Schottky Mass Measurement of the ^{208}Hg Isotope: Implication for the Proton-Neutron Interaction Strength around Doubly Magic ^{208}Pb . Physical Review Letters, 2009, 102, 122503.	7.8	55
23	LARGE-SCALE MASS MEASUREMENTS OF SHORT-LIVED NUCLIDES WITH THE ISOCHRONOUS MASS SPECTROMETRY AT GSI. International Journal of Modern Physics E, 2009, 18, 346-351.	1.0	20
24	Parity nonconservation in the radiative recombination of electrons with heavy hydrogen-like ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 205002.	1.5	16
25	FIRST FEASIBILITY STUDY FOR EXL WITH PROTOTYPE DETECTORS AT THE ESR AND DETECTOR SIMULATIONS. International Journal of Modern Physics E, 2009, 18, 524-530.	1.0	18
26	Observation of the $2p_{3/2} \rightarrow 1s_{1/2}$ intra-shell transition in He-like uranium. Europhysics Letters, 2009, 87, 63001.	2.0	29
27	HITRAP – a facility for experiments on heavy highly charged ions and on antiprotons. Journal of Physics: Conference Series, 2009, 194, 142007.	0.4	3
28	Nuclear excitation by electron capture followed by fast x-ray emission. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 661, 330-334.	4.1	38
29	Nuclear structure studies of short-lived neutron-rich nuclei with the novel large-scale isochronous mass spectrometry at the FRS-ESR facility. Nuclear Physics A, 2008, 812, 1-12.	1.5	132
30	Chapter 7 HITRAP: A Facility at GSI for Highly Charged Ions. Advances in Quantum Chemistry, 2008, 53, 83-98.	0.8	109
31	Measurement of the $1s^2$ and Orbital Electron-Capture Decay Rates in Fully Ionized, Hydrogenlike, and Heliumlike Ions. Physical Review Letters, 2007, 99, 267.	7.8	97
32	Status of the Experimental Program on Mass Measurements of Stored Exotic Nuclei at the FRS-ESR Facility. Nuclear Physics A, 2007, 787, 315-320.	1.5	15
33	Radiative Electron Capture to the Continuum and the Short-Wavelength Limit of Electron-Nucleus Bremsstrahlung in ^{90}Zr and ^{88}Sr . Physical Review Letters, 2007, 99, 267.		

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37	Isobar separation at FRS-ESR – a development towards pure isomeric stored beams. <i>Hyperfine Interactions</i> , 2006, 173, 61-66.	0.5	25
38	First Measurement of the Linear Polarization of Radiative Electron Capture Transitions. <i>Physical Review Letters</i> , 2006, 97, 223202.	7.8	112
39	Mass measurement of cooled neutron-deficient bismuth projectile fragments with time-resolved Schottky mass spectrometry at the FRS-ESR facility. <i>Nuclear Physics A</i> , 2005, 756, 3-38.	1.5	581
40	Trapping ions of hydrogen-like uranium: The HITRAP project at GSI. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 235, 473-478.	1.4	18
41	Quantum Electrodynamics in Strong Electric Fields: The Ground-State Lamb Shift in Hydrogenlike Uranium. <i>Physical Review Letters</i> , 2005, 94, 223001.	7.8	185
42	Evidence for Multiphonon Giant Resonances in Electromagnetic Fission of U238. <i>Physical Review Letters</i> , 2004, 92, 112502.	7.8	6
43	Electron-Electron Interaction in Strong Electromagnetic Fields: The Two-Electron Contribution to the Ground-State Energy in He-like Uranium. <i>Physical Review Letters</i> , 2004, 92, 203004.	7.8	50
44	New results with stored exotic nuclei at relativistic energies. <i>Nuclear Physics A</i> , 2004, 746, 150-155.	1.5	56
45	FOCAL: X-ray optics for accurate spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1535-1542.	2.9	23
46	Mass mapping of a new area of neutron-deficient suburanium nuclides. <i>Nuclear Physics A</i> , 2002, 697, 92-106.	1.5	160
47	Mass and lifetime measurements at the storage ring ESR. <i>Nuclear Physics A</i> , 2002, 701, 561-564.	1.5	19
48	Progress in mass measurements of stored exotic nuclei at relativistic energies. <i>Nuclear Physics A</i> , 2001, 685, 115-126.	1.5	21
49	Microscopic model for charge and matter distributions of nuclei. <i>Nuclear Physics A</i> , 2001, 690, 298-301.	1.5	9
50	Vavilov – Cherenkov radiation emitted by heavy ions near the threshold. <i>Vacuum</i> , 2001, 63, 591-595.	3.5	15
51	Isochronous Mass Measurements of Hot Exotic Nuclei. <i>Hyperfine Interactions</i> , 2001, 132, 289-295.	0.5	84
52	A microstrip germanium detector for position-sensitive X-ray spectroscopy. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 1048-1052.	2.0	12
53	Strong Evidence for Enhanced Multiple Electron Capture from Surfaces in 46MeV/u Pb81+ Collisions with Thin Carbon Foils. <i>Physical Review Letters</i> , 2001, 86, 991-994.	7.8	6
54	Near-Threshold Photoionization of Hydrogenlike Uranium Studied in Ion-Atom Collisions via the Time-Reversed Process. <i>Physical Review Letters</i> , 2001, 86, 983-986.	7.8	43

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55	Schottky mass measurements of stored and cooled neutron-deficient projectile fragments in the element range of $57 \leq Z \leq 84$. Nuclear Physics A, 2000, 677, 75-99.	1.5	157
56	1sLamb Shift in Hydrogenlike Uranium Measured on Cooled, Decelerated Ion Beams. Physical Review Letters, 2000, 85, 3109-3112.	7.8	102
57	Angular Distribution Studies for the Time-Reversed Photoionization Process in Hydrogenlike Uranium: The Identification of Spin-Flip Transitions. Physical Review Letters, 1999, 82, 3232-3235.	7.8	49
58	Two-photon decay in strong central fields observed for the case of He-like gold. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 260, 489-494.	2.1	14
59	Mass measurements of stored and cooled exotic nuclei at GSI. Nuclear Physics A, 1998, 630, 379-386.	1.5	2
60	Electron bremsstrahlung in collisions of 223 MeV/uHe-like uranium ions with gaseous targets. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 2601-2609.	1.5	19